

Table 1. Hazard ratios for genetic and non-genetic factors on time to conception to first service (COFS_{time}) in spring calving dairy cows.

Parameter	Estimate	Standard Error	p-value	Hazard Ratio	95% LCL ⁹	95% UCL ¹⁰
Farm 2	-0.28	0.08	0.0004	0.76	0.65	0.88
Farm 3	-0.42	0.08	<0.0001	0.66	0.56	0.77
Parity 2	0.06	0.09	0.5269	1.06	0.88	1.27
Parity 3	0.31	0.09	0.0004	1.37	1.15	1.63
Parity 4	0.27	0.10	0.0060	1.31	1.08	1.60
Parity 5	0.20	0.09	0.0184	1.23	1.04	1.45
P _F ⁱ¹	-0.05	0.15	0.7569	0.96	0.71	1.28
Het _{FJ} ²	-0.10	0.14	0.4809	0.91	0.69	1.19
BV _{fert} ³	0.03	0.01	0.0003	1.03	1.01	1.04
Disease ⁴	-0.05	0.06	0.4440	0.95	0.85	1.08
DMC, d ⁵	0.00	0.00	0.0540	1.00	0.99	1.00
SMFS, d ⁶	-0.02	0.00	0.0005	0.98	0.98	0.99
ΔFPCM21d, % ⁷	0.00	0.01	0.9028	1.00	0.98	1.02
ΔBW21d, % ⁸	0.12	0.02	<0.0001	1.13	1.08	1.17

¹ Proportion of Holstein-Friesian.

² Holstein-Friesian×Jersey heterosis.

³ Fertility breeding value.

⁴ Presence of disease events from calving to 30 days after first service.

⁵ Deviation from the median calving date.

⁶ Start of mating to first service.

⁷ Relative change during the 21 days preceding the first service in fat and protein corrected milk production.

⁸ Relative change during the 21 days preceding the first service in body weight.

⁹ Lower Confidence Limit.

¹⁰ Upper Confidence Limit.